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Thank you for purchasing an LTSP Term-150e Thin Client.

## Technical Information

### Booting:

The LTSP Term-150e is the same as the T-150, but it uses an Etherboot bootrom, rather than a PXE bootrom. It will boot using the standard LTSP kernels.

The filename entry in the dhcpd.conf file needs to point to the tagged kernel. A typical configuration looks like this:

```
host ws001 {  
    hardware ethernet    00:E0:06:E8:00:84;  
    fixed-address        192.168.0.1;  
    filename              "/lts/vmlinuz-2.4.22-ltsp-1";  
}
```

### Video:

The LTSP Term-150 Utilizes a Trident VGA integrated video chipset with 8mb of shared memory. This video chipset is supported by XFree86 and LTSP.

Because the Trident chipset is supported, that means that the proper Xserver can be automatically detected by setting the XSERVER parameter to 'auto' in the lts.conf file. (Default setting)

```
XSERVER          = auto
```

It may, however, be necessary to disable the Hardware cursor in Xfree86 for this particular video chipset. This is accomplished by adding the entry below in the lts.conf file. This option will fix a problem that has been reported where the mouse pointer doesn't line up with the image on the screen.

```
X_DEVICE_OPTION_01 = SWCursor
```

## Audio:

The sound chipset in the LTSP Term-150 is based on the Via audio chipset.

The following settings are required in the lts.conf file for sound:

```
SOUND                = Y
SOUND_DAEMON         = nasd
SMODULE_01           = soundcore
SMODULE_02           = ac97_codec
SMODULE_03           = via82cxxx_audio
```

## USB Ports:

The LTSP Term-150 has 2 USB 1.1 ports. These ports are based on the 'Universal Host Controller Interface' standard, therefore, they use the 'usb-uhci' Linux device driver module.

The USB ports can be used to connect printers and mice. It is conceivable that other USB devices could be connected, but currently there is only support in LTSP for printers and mice.

Example of a USB printer configuration:

```
MODULE_01            = usb-uhci
MODULE_02            = printer
PRINTER_0_DEVICE     = /dev/usb/lp0
PRINTER_0_TYPE       = S
```

## Licensing information

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